

Kindly amend the claims as follows:

1-5. (canceled)

6. (presently amended) A Mmethod of preparation of a fungal glucane hydrogel having antibacterial and immunostimulant activity prepared from fruiting bodies of oyster mushroom (Pleurotus ostreatus) by alkaline deproteination and subsequent elimination of water-soluble components and their following hydration and defibration by wet grinding, characterized in that the obtained insoluble glucan is subsequently hydrated by wet grinding of the obtained insoluble glucane is running at a rotational speed of 3000 to 9000 rpm for 10 to 20 minutes to and a swelling volume in water of 50 to 500 ml/g, and finally the fungal glucane is adjusted by heat sterilization at a temperature of 90 to 110 degrees C for 20 to 30 minutes, resulting in a gel which is formed by fungal polysaccharide with the β -(1,3)-D-bond in the principal chain, with a concentration of 0.5 to 3% by weight.

7. (canceled)

8. (previously presented) The method according to claim 6, characterized in that the resulting gel is formed by fungal polysaccharide with the β -(1,3)-D-bond branched at every fourth anhydroglucose unit.

9-17. (canceled)